

INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

DIVISIONAL OF SERIAL NO.

2752-51

08/362,455

APPLICANT

MAERTENS et al.

FILING DATE

GROUP

(Use several sheets if necessary)

July 6, 2001

JP903 U.S. PTO
09/899046
07/06/01

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>Docu</i>	WO-A-95 01442	1/1995	PCT			
<i>Docu</i>	EP-A-0 532 167	3/1993	EPO			
<i>Docu</i>	WO 94 25601	11/1994	PCT			
<i>Docu</i>	WO 93 00365	01/1993	PCT			
<i>Docu</i>	JP 6-319563	11/1994	Japan			Abstract

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

<i>no copy</i>	Kato et al, "Molecular Cloning of the Human Hepatitis C Virus Genome Form Japanese Patients with Non-A-Non-B-Hepatitis", PROC. NATL. ACAD. SCI. USA, Vol. 87, 1990, pages 9254-9258, XP000168621.
<i>no copy</i>	Database Genban Online! Accession No. X78863, 20 May 1994 (1994-05-20) VAN DOORN et al: "Sequence Analysis of Hepatitis C Virus Genotypes 1 to 5", XP002017147 * abstract * and J. GEN. VIROL., Vol. 76, 1994, pages 1871-1876.
<i>no copy</i>	Database Genban Online! Accession No. D26387, 4 February 1994 (1994-02-04) HOJTA et al: Subtype Analysis of Hepatitis C Virus in Indonesia" XP002017146 * abstract * and J. CLIN. MICROBIOL., Vol. 32, 1994, pages 3049-3051.
<i>no copy</i>	PROC. NATL. ACAD. SCI. USA, Vol. 87, 1990, pages 9254-9258, XP002017144 N. KATO et al: "Molecular Cloning of the Human Hepatitis C Virus Genome Form Japanese Patients with Non-A Non-B Hepatitis" <i>revised</i>
<i>no copy</i>	BIOCHEM. BIOPHYS. RES. COMMUN., Vol. 170, No. 3, 1990, pages 1021-1025, XP002017145 N. ENOMOTO et al: "There are Two Major Types of Hepatitis C Virus in Japan".
<i>no copy</i>	Liu et al, "Genomic typing of hepatitis C viruses present in China", GENE, Vol. 114, No. 2, pages 245-250 (1992);
<i>no copy</i>	Stuyver et al, "Classification of hepatitis C viruses based on phylogenetic analysis of the envelope 1 and nonstructural 5B regions and identification of five additional subtypes", Proceedings of the National Academy of Sciences of USA, Vol. 91, No. 21, pages 10134-10138 (1994);
<i>no copy</i>	Bukh et al, "At least 12 genotypes of hepatitis C virus predicated by sequence analysis of the putative E1 gene of isolates collected worldwide", Proceedings of the National Academy of Sciences of USA, Vol. 90, pages 8234-8238 (1993)
<i>no copy</i>	Bukh et al, "Sequence analysis of the core gene of the 14 hepatitis C virus genotypes", Proceedings of the National Academy of Sciences of USA, Vol. 91, pages 8239-8424 (1994);
<i>no copy</i>	Diesel et al, "Hepatitis C virus (HCV) genotype distribution in german isolates: studies on the sequence variability in the E2 and NS5 region", Archives of Virology, Vol. 139, No. 3/04, pages 379-388;
<i>no copy</i>	Stuyver et al, "Hepatitis C virus genotyping by means of 5'-UR/core line probe assays and molecular analysis of untypeable samples", Virus Research, Vol. 38, NO. 2-3, pages 137-157 (1995);
<i>no copy</i>	Qu et al, Journal General Virology, Vol. 75, No. 5, pages 1063-1070 (1994)
<i>no copy</i>	Tokita et al, "Hepatitis C virus variants from Vietnam are classifiable into the seventh, eighth and ninth major genetic groups", Proceedings of the National Academy of Sciences of USA, Vol. 91, No. 23, pages 11022-11026 (1994).

*Examiner

Date Considered

9/29/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE
CITATION

ATTY. DOCKET NO.

DIVISIONAL OF SERIAL NO.

2752-51

08/362,455

APPLICANT

Maertens et al

(Use several sheets if necessary)

FILING DATE

GROUP

July 6, 2001

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
BCW	93/06126	4/1993	WO			
BCW	93/10239	5/1993	WO			
BCW	92/19743	11/1992	WO			
	WO A 95 01442	1/1995	PCT of record			
	EP A 0 532 167	3/1993	EPO of record			
	EP 0419182	3/1991	EP			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

BCW	Journal of General Virology (1992) Vol. 73, pages 1131-1141, Chan et al.
R	S. MORI et al., "A new type of hepatitis C in patients in Thailand", Biochemical and Biophysical Research Communications, Vol. 183, No. 1, 1992, pp. 334-342
R	T.A. CHA et al., "At least five related but distinct genotypes of hepatitis C virus exist", Proc. National Acad. Sci., USA, Vol. 89, pp. 7144-7148, August, 1992
BCW	A. WEINER et al., "Variable and hypervariable regions are found in the regions of HCV corresponding to the flavivirus envelope and NS1 proteins", Virology, 180, (1991) pp. 842-848
R	K. CHAYAMA et al., "Genotypic subtyping of hepatitis C virus", Journal of Gastroenterology and Hepatology, Vol. 8, (1993) pp. 150-156
R	L. STUYVER et al., "Analysis of the putative E1 envelope and NS4a epitope regions of HCV type 3", Biochemical and Biophysical Research Communications, Vol. 192, No. 2, 1993, pp. 635-641
BCW	L. STUYVER et al., "Typing of hepatitis C virus isolates and characterization of new subtypes using a line probe assay", Journal of General Virology, Vol. 74, 1993, pp. 1093-1102
R	P. SIMMONDS et al., Mapping of serotype-specific immunodominant epitopes in the NS4 region of hepatitis C virus", Journal of Clinical Microbiology, Vol. 31, 1993, pp. 1493-1503
no copy	GEORGE et al., in: Macromolecular Sequencing and synthesis, Selected Methods and Applications, Schlesinger (ed.), 1988, Alan R. Liss, Inc., New York, pp. 127-149
copy	CHEN et al. Virology, 188: 102 (1992)
copy	WALLACE et al., Methods Enzymol. 152: 432 (1987)
no copy	BUKH, PNAS 89: 4942 (1992)
no copy	INNIS et al., PCR Protocols: A Guide to Methods and Applications, 1990, (Innis et al. (ed.), Academic Press, New York; pp. 3-11
	Kato et al., "Molecular Cloning of the Human Hepatitis C Virus Genome From Japanese Patients with Non-A Non-B Hepatitis", PROC. NATL. ACAD. SCI. USA, Vol. 87, 1990, pages 9254-9258, XP000168621 of record
	Database Genbank Online Accession No. X78863, 20 May 1994 (1994-05-20) VAN DOORN et al.: "Sequence Analysis of Hepatitis C Virus Genotypes 1 to 5", XP002017147 abstract and J. GEN. VIROL., Vol. 76, 1994, pages 1871-1876
	Database Genbank Online Accession No. D26387, 4 February 1994 (1994-02-04) HOTTA et al.: Subtype Analysis of Hepatitis C Virus in Indonesia" XP002017146 abstract and J. CLIN. MICROBIOL., Vol. 32, 1994, pages 3049-3051
	PROC. NATL. ACAD. SCI. USA, Vol. 87, 1990, pages 9254-9258, XP002017144 N. KATO et al.: "Molecular Cloning of the Human Hepatitis C Virus Genome From Japanese Patients with Non-A Non-B Hepatitis" of record
	BIOCHEM. BIOPHYS. RES. COMMUN., Vol. 170, No. 3, 1990, pages 1021-1025, XP002017145 N. ENOMOTO et al.: "There are Two Major Types of Hepatitis C Virus in Japan" of record
BCW	K. CHAYAMA et al., "Genotypic subtyping of hepatitis C virus", Journal of Gastroenterology and Hepatology, Vol. 8, (1993) pp. 150-156

*Examiner

Date Considered

7/29/03, 14/20/05